

**AN ANALYSIS OF THE CONTENT OF HEAVY METAL CADMIUM (Cd) IN  
RED SHELL (*Anadara granosa*) ON COASTAL WATERS OF KARANG  
SONG-INDRAMAYU, WEST JAVA**

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**ABSTRACT**

**Krisna Setiawati. 2016. An Analysis of the Content of Heavy Metal Cadmium (Cd) in Red Shell (*Anadara granosa*) on Coastal Waters of Karang Song-Indramayu, West Java.** Under supervision by Drs. H. Ahmad Mulyadi, M. Pd., as supervisor I and Dr. H. Uus Toharudin, P. Pd. as supervisor II.

Karang Song Coastal Area is one of the coastal areas in Indramayu. In its surroundings there are going on a lot of human activities that results in pollutions, which in turn produce wastes. The resulting wastes were predominantly ones that contain heavy metals. Accordingly, the present research was intended to provide information on the affect of the content of heavy metal Cadmium (Cd) on red shell (*Anadara granosa*) in Karang Song coastal area located in Indramayu, West Java, by extracting the shell meats into solution for them to be easier to analyze. The analysis of red shell (*Anadara granosa*) was carried out at Health laboratory development house of West Java Province. The research was conducted in June 2016. The research method used was an AAS (Atomic Absorption Spectrophotometry) analysis. The result of analysis revealed that the red shells (*Anadara granosa*) taken from Karang Song-Indramayu coastal area in each quadrant at two stations used contained heavy metal Cadmium (Cd), where the highest was 0.6115 mg/kg and the lowest 0.2085 mg/kg.

**Keywords: Heavy metal, Pollution, Red Shell (*Anadara granosa*), Karang Song Coastal Area**